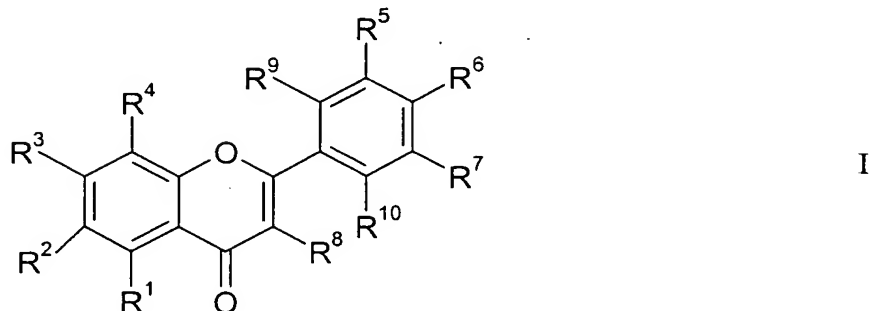


# ABSTRACT

The invention relates to a preparation having antioxidant properties, comprising at least one compound of the formula I



where  $R^1$  to  $R^{10}$  may be identical or different and are selected from H,  $OR^{11}$ , straight-chain or branched  $C_1$ - to  $C_{20}$ -alkyl groups, straight-chain or branched  $C_3$ - to  $C_{20}$ -alkenyl groups, straight-chain or branched  $C_1$ - to  $C_{20}$ -hydroxyalkyl groups, where the hydroxyl group may be bonded to a primary or secondary carbon atom of the chain and furthermore the alkyl chain may also be interrupted by oxygen, and/or  $C_3$ - to  $C_{10}$ -cycloalkyl groups and/or  $C_3$ - to  $C_{12}$ -cycloalkenyl groups, where the rings may each also be bridged by  $-(CH_2)_n$ - groups, where  $n = 1$  to  $3$ , where all  $OR^{11}$  are, independently of one another, OH,  $C_1$ - to  $C_{20}$ -alkoxy groups,  $C_3$ - to  $C_{20}$ -alkenyloxy groups, straight-chain or branched  $C_1$ - to  $C_{20}$ -hydroxyalkoxy groups and/or  $C_3$ - to  $C_{10}$ -cycloalkoxy groups and/or  $C_3$ - to  $C_{12}$ -cycloalkenyloxy groups, where the rings may each also be bridged by  $-(CH_2)_n$ - groups, where  $n = 1$  to  $3$ , and/or mono- and/or oligoglycosyl radicals, with the proviso that at least 3 radicals from  $R^1$  to  $R^7$  are OH and that at least 2 pairs of adjacent -OH groups are present in the molecule, or  $R^2$ ,  $R^5$  and  $R^6$  are OH and the radicals  $R^1$ ,  $R^3$ ,  $R^4$  and  $R^{7-10}$  are H.